

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 07216272
PUBLICATION DATE : 15-08-95

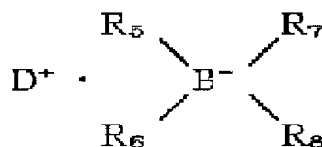
APPLICATION DATE : 07-02-94
APPLICATION NUMBER : 06013720

APPLICANT : SHOWA DENKO KK;

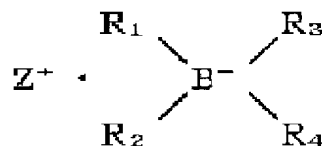
INVENTOR : MINAMI SEIICHIRO;

INT.CL. : C09D 5/24 H01B 1/22 H05K 1/09

TITLE : PHOTODESETTING CONDUCTIVE PASTE



I



II

ABSTRACT : **PURPOSE:** To obtain a low-cost paste containing a specified cationic dye having an absorption band in near infrared region, a specific sensitizer and a specified conductive substance, capable of photo-curing a composition containing a high opacifying material and reducing the amount of solvent and heating energy and useful for an electronic component, etc.

CONSTITUTION: This paste contains (A) a polymerizable unsaturated compound, (B) a cationic dye represented by $\text{D}^+ \cdot \text{A}^-$ (D is a cation having an absorption band in near infrared region; A^- is various kinds of anions), preferably formula I [R_5 to R_8 are each a (substituted) anion, a (substituted) aryl, a (substituted) allyl, a (substituted) aralkyl, a (substituted) alkenyl, a (substituted) alkynyl, a (substituted) silyl, a heterocycle or a halogen], (C) a sensitizer of formula II (a quaternary ammonium cation, a quaternary pyridinium cation, a quaternary quinolinium cation, a phosphonium cation or a metal cation; R_1 to R_4 are the same as R_5 to R_8) and (D) a conductive substance, preferably silver, copper, nickel, palladium or silver-plated copper powder.

COPYRIGHT: (C)1995,JPO